August 21, 2009

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report
Docket No. 2006-224-E

Dear Mr. Terreni:

Enclosed is the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of July 2009.

Sincerely,

/s/

Len S. Anthony
General Counsel
Progress Energy Carolinas, Inc.

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

July 2009

The following units had no off-line outages during the month of July:

Brunswick Unit 1
Brunswick Unit 2
Harris Unit 1
Robinson Unit 2
Mayo Unit 1
Roxboro Unit 3
Roxboro Unit 4

July 2009

Roxboro Unit 2

Full Forced Outage

A. Duration: The unit was taken out of service at 11:35 on July 15, and was returned to service at 0:00 on July 17, a duration of 36 hours and 25 minutes.

B. Cause: Waterwall Tube Leak

C. Explanation: The unit was taken out of service to investigate and repair a tube leak in the waterwall section of the boiler.

D. Corrective Action: Weld repairs were made to correct the tube leak, and the unit was returned to service.

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	697,753	MWH	8,103,672	MWH	2
Capacity Factor	99.98	%	98.62	%	
Equivalent Availability	99.67	%	96.70	%	
Output Factor	99.98	%	101.30	%	
Heat Rate	10,560	BTU/KWH	10,406	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	123,816	1.51	3
Partial Scheduled	2,317	0.33	35,844	0.44	4
Full Forced	0	0.00	93,206	1.13	5
Partial Forced	0	0.00	18,111	0.22	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,872		8,216,880		8

* See 'Notes for Nuclear Units' filed with the January 2009 report.
** Gross of Power Agency

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	920	MW	927	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	693,644	MWH	6,346,003	MWH	2
Capacity Factor	101.34	%	78.14	%	
Equivalent Availability	99.95	%	77.31	%	
Output Factor	101.34	%	97.58	%	
Heat Rate	10,664	BTU/KWH	10,648	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,336,484	16.46	3
Partial Scheduled	341	0.05	46,704	0.58	4
Full Forced	0	0.00	274,292	3.38	5
Partial Forced	0	0.00	193,374	2.38	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	684,480		8,121,250		8

* See 'Notes for Nuclear Units' filed with the January 2009 report.
** Gross of Power Agency

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	680,311	MWH	7,269,277	MWH	2
Capacity Factor	101.60	%	92.20	%	
Equivalent Availability	100.00	%	90.15	%	
Output Factor	101.60	%	101.46	%	
Heat Rate	10,822	BTU/KWH	10,731	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	495,270	6.28	3
Partial Scheduled	0	0.00	52,237	0.66	4
Full Forced	0	0.00	224,235	2.84	5
Partial Forced	0	0.00	9,042	0.11	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		7,884,000		8

* See 'Notes for Nuclear Units' filed with the January 2009 report.
** Gross of Power Agency

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	710	MW	710	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	543,523	MWH	5,401,051	MWH	2
Capacity Factor	102.89	%	86.84	%	
Equivalent Availability	100.00	%	82.78	%	
Output Factor	102.89	%	104.06	%	
Heat Rate	10,917	BTU/KWH	10,746	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	782,195	12.58	3
Partial Scheduled	0	0.00	38,498	0.62	4
Full Forced	0	0.00	247,080	3.97	5
Partial Forced	0	0.00	3,512	0.06	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	528,240		6,219,600		8

* See 'Notes for Nuclear Units' filed with the January 2009 report.

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	742	MW	742	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	403,088	MWH	3,943,986	MWH	2
Capacity Factor	73.02	%	60.68	%	
Equivalent Availability	98.81	%	86.31	%	
Output Factor	73.02	%	68.79	%	
Heat Rate	10,637	BTU/KWH	10,674	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	706,929	10.88	3
Partial Scheduled	2,625	0.48	83,502	1.28	4
Full Forced	0	0.00	59,928	0.92	5
Partial Forced	3,967	0.72	39,621	0.61	6
Economic Dispatch	142,367	25.79	1,665,954	25.63	7
Possible MWH	552,048		6,499,920		8

* See 'Notes for Fossil Units' filed with the January 2009 report.
** Gross of Power Agency

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	662	MW	666	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	309,446	MWH	4,315,933	MWH	2
Capacity Factor	62.83	%	74.00	%	
Equivalent Availability	83.28	%	87.42	%	
Output Factor	75.95	%	83.96	%	
Heat Rate	8,992	BTU/KWH	8,823	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	40,117	8.15	413,521	7.09	3
Partial Scheduled	13,063	2.65	50,471	0.87	4
Full Forced	24,108	4.89	212,675	3.65	5
Partial Forced	5,066	1.03	56,849	0.97	6
Economic Dispatch	100,728	20.45	782,728	13.42	7
Possible MWH	492,528		5,831,970		8

* See 'Notes for Fossil Units' filed with the January 2009 report.

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	695	MW	699	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	341,923	MWH	4,142,772	MWH	2
Capacity Factor	66.13	%	67.64	%	
Equivalent Availability	97.53	%	93.67	%	
Output Factor	66.13	%	69.99	%	
Heat Rate	10,713	BTU/KWH	10,788	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	188,528	3.08	3
Partial Scheduled	0	0.00	96,852	1.58	4
Full Forced	0	0.00	11,996	0.20	5
Partial Forced	12,783	2.47	90,822	1.48	6
Economic Dispatch	162,374	31.40	1,593,961	26.03	7
Possible MWH	517,080		6,124,700		8

* See 'Notes for Fossil Units' filed with the January 2009 report.

	Month of July 2009		Twelve Month Summary		See Notes*
MDC	698	MW	698	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	405,395	MWH	4,302,530	MWH	2
Capacity Factor	78.06	%	70.37	%	
Equivalent Availability	96.07	%	93.43	%	
Output Factor	78.06	%	74.73	%	
Heat Rate	11,999	BTU/KWH	10,995	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	299,151	4.89	3
Partial Scheduled	19,148	3.69	33,295	0.54	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	1,242	0.24	69,482	1.14	6
Economic Dispatch	93,526	18.01	1,410,021	23.06	7
Possible MWH	519,312		6,114,480		8

* See 'Notes for Fossil Units' filed with the January 2009 report.
** Gross of Power Agency

Run Date 8/18/2009

Plant	Unit	Current MW Rating	January 2008 - December 2008	July 2009	January 2009 - July 2009
Asheville	1	191	67.84	71.29	74.44
Asheville	2	185	64.83	56.28	62.35
Cape Fear	5	144	69.98	71.05	72.28
Cape Fear	6	172	61.62	73.88	64.17
Lee	1	74	62.88	73.47	53.12
Lee	2	77	50.49	58.50	43.83
Lee	3	246	38.21	67.18	64.20
Mayo	1	742	62.59	73.02	60.15
Robinson	1	174	65.88	45.00	60.40
Roxboro	1	369	69.79	83.84	84.27
Roxboro	2	662	78.24	62.83	75.28
Roxboro	3	695	66.00	66.13	67.87
Roxboro	4	698	70.32	78.06	71.13
Sutton	1	93	46.46	56.39	37.83
Sutton	2	104	55.49	48.41	43.97
Sutton	3	403	56.73	56.94	51.76
Weatherspoon	1	48	42.83	6.26	12.55
Weatherspoon	2	49	41.04	4.89	16.13
Weatherspoon	3	75	56.58	31.36	25.15
Fossil System Total		5,201	64.48	66.24	64.49
Brunswick	1	938	85.33	99.98	101.21
Brunswick	2	920	95.43	101.34	68.91
Harris	1	900	98.94	101.60	90.21
Robinson Nuclear	2	710	87.02	102.89	104.60
Nuclear System Total		3,468	91.90	101.36	90.48
Total System		8,669	75.45	80.29	74.89

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of ≥ 92.5% during the 12 month period under review. For the test period April 1, 2009 through July 31, 2009, actual period to date performance is summarized below:

Period to Date: April 1, 2009 to July 31, 2009

Nuclear System Capacity Factor Calculation (Based on net generation)

A.. Nuclear system actual generation for SCPSC test period	A =	8,952,617 MWH
B. Total number of hours during SCPSC test period	B =	2,928 hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,468 MW
D. Reasonable nuclear system reductions (see page 2)	D =	1,374,222 MWH

A. SC Fuel Case nuclear system capacity factor: [(A + D) / (B + C)] * 100 = 101.7%

NOTE:
If Line Item E > 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2009 to July 31, 2009

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	920 MW	900 MW	710 MW	3,468 MW
Reasonable refueling otuage time (MWH)	0	632,331	495,270	0	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	2,379	136,056	0	36,212	
Reasonable coast down power reductions (MWH)	0	0	24,856	0	
Reasonable power ascension power reductions (MWH)	0	20,440	20,300	0	
Prudent NRC required testing outages (MWH)	6,037	341	0	0	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	0	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	8,416	789,168	540,426	36,212	
Total reasonable outage time exclusions [carry to Page 1, Line D]					1,374,222